

The Knowledge Bank at The Ohio State University

Ohio State Engineer

Title: Back Matter

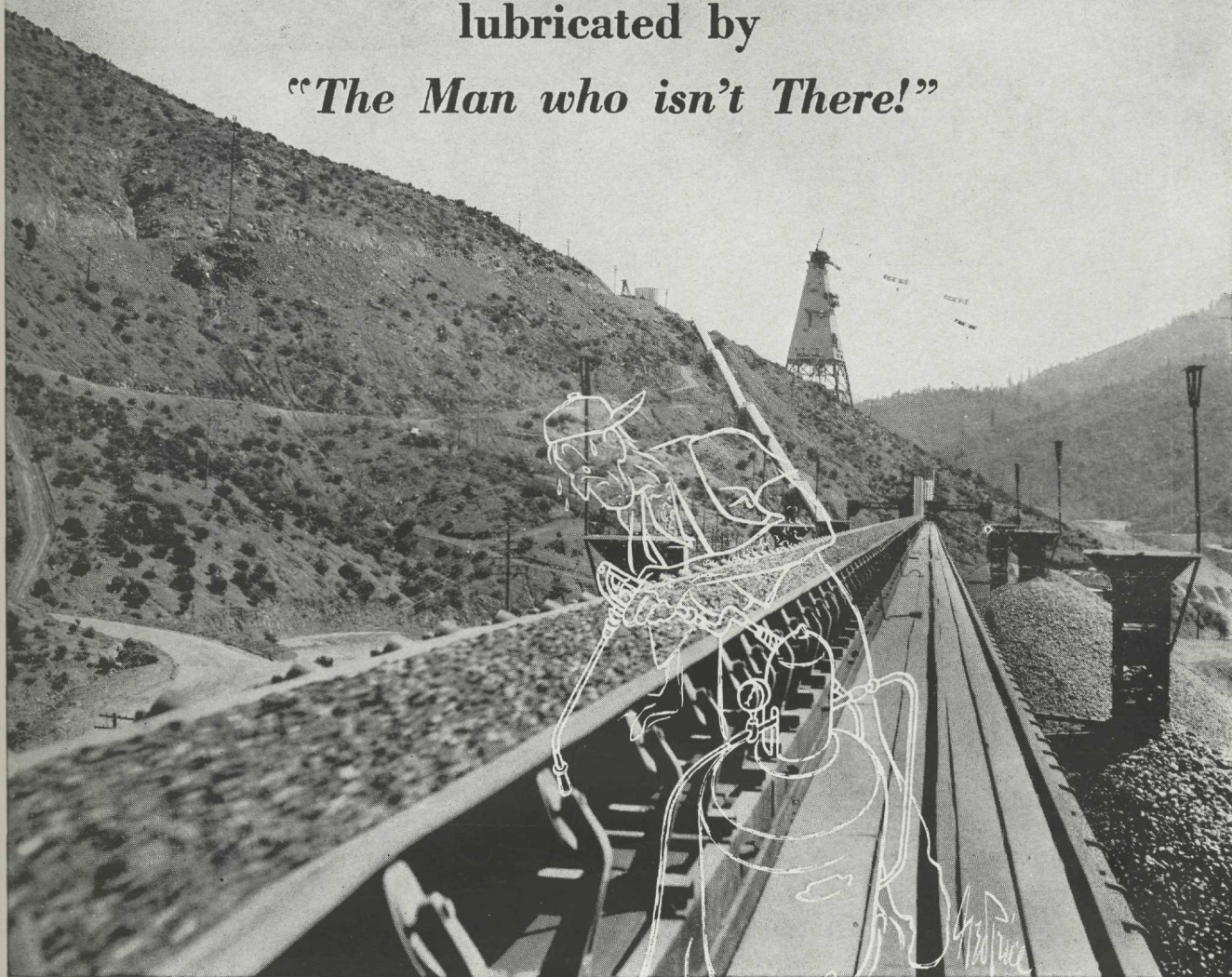
Issue Date: 1941-12

Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 25, no. 2 (December, 1941).

URI: <http://hdl.handle.net/1811/35812>

Mile and a-half of Conveyor
lubricated by
"The Man who isn't There!"

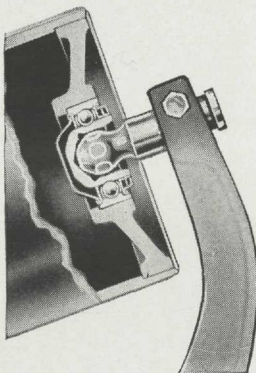


● Yes, 16,000 bearings at the Shasta Dam project, greased regularly by Yehoodi's old man—the phantom of the operation.

Seriously, the secret is New Departure anti-friction bearings, self-sealed against dirt and lubricated-for-life!

Just another "new departure" by New Departure—another "famous first" by an alert company whose products are *ideas* as well as ball bearings.

If you are to become a mechanical



*Conveyor Bearing
self-sealed
and
lubricated-for-life*

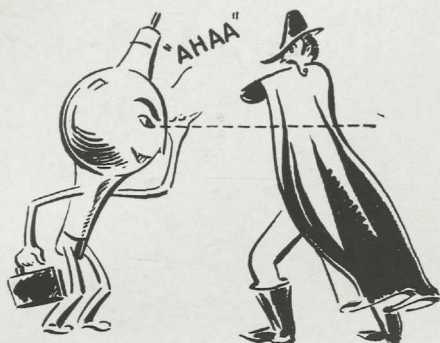
engineer, you just cannot escape New Departure—because these finer anti-friction bearings are used wherever shafts turn—and nothing rolls like a ball in the Forged Steel bearing.

The whole absorbing story of anti-friction bearings is told in a beautifully illustrated 112-page book we'd like to send you. Ask for "Why Anti-Friction Bearings."

New Departure, a Division of General Motors, Bristol and Meriden, Connecticut.

New Departure
THE FORGED STEEL BEARING

G-E Campus News



SUPER-PEEKSTER

EVEN when our defense "Sherlocks" can't, x-rays can "see right through" potential saboteurs and their hidden bits of destruction.

Without unwrapping or any dangerous tampering, suspicious packages may be inspected quickly and safely. Portable x-ray equipment is also used for fluoroscopic examination of overstuffed furniture, mattresses, or other articles in which questionable items might be hidden.

The x-ray has been instrumental in unearthing such things as a hypodermic needle and some narcotics cleverly hidden in a woman's handbag, a revolver baked in a loaf of bread, or hacksaw blades concealed in a cake of soap.



CURVES OF COLOR

THE most expert human eye can distinguish about 100,000 different colors, but that's practically color-blindness compared to the 2,000,000 that the G-E color analyzer can detect. The color analyzer can even measure your lady friend's blush, provided she holds it for

two and a half minutes, and then, it will record it on paper for future reference!

The recording photoelectric spectrophotometer (that's the color analyzer's name) is only one of the things you can see in action in one of G.E.'s newest movies, "Curves of Color." This film, in full color, gives a 10-minute story of the world of color, telling why accurate color recognition is of such great importance to man and industry.

"Curves of Color" (16mm, sound) is purely educational and will gladly be lent to organized groups without any charge but the transportation costs. If you would like to show it at one of your dinners or club gatherings, just drop a line to Campus News, Dept. 318-6, General Electric Company, Schenectady, N. Y.



HOT DOGS AND COLD DIP'S

THE strip mine of the Truax-Traer Coal Company in Fiatt, Illinois, hasn't actually been invaded by picnickers (yet) who want to cook hot dogs in the dipper of the big, 30-yard stripping shovel there, but it's an idea! Hot plates have been installed in the dipper, and Calrod heating elements have been put in the dipper handle.

The purpose of these heaters is not, however, to provide an extra service for possible picnickers, but to keep mud from freezing to the sides and bottom of the dipper. This used to reduce payload 50 per cent or more, and bonfires and a shutdown of 30 minutes to an hour were necessary to thaw out the frozen mass.

GENERAL  **ELECTRIC**